

## INSPECTION REPORT (STAR RATING)

## 1.0 GENERAL

S.No.	Particulars	Details
1(a)	Name of the Mine	Dakor Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Naman Ekka, Senior Mining Geologist
1(c)	Accompanying Mines Representatives	Rakesh Dodiya (I/c Mining Engineer)
1(d)	Type of Inspection	Star Rating
1(e)	Date of Inspection	11/02/2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	5.09 ha (non-forest land)
3	Mine code	07GUJ09003
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9072/2012
5	Name of the lessee, Address, phone, email and fax number	Late Smt. Pushpaben Hiralal Joshi Legal Heir Janakkumar kantilal Sadhu - R/o 2531 Alkapuri Society Opp Pranami Temple, Dakor Ta : Thasra Dist : Kheda Gujarat- 388 225
6	Village	Dakor
7	Taluka/Mandal	Thasra
8	District	Kheda
9	Pin code	388 225
10	State	Gujarat
11	Post office	Dakor
12	Nearest police station	Dakor
13	Nearest Railway station	Dakor
14	Date of Grant of Mining Lease	20.08.1976
15	Date of Execution	07.02.1977
16	Date of opening of Mine	07.02.1977
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Dodiya Rakesh Bhupatbhai BE Mining 216 Shivam Complex Sola Science city road Ahmedabad 15/07/2020
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in	Mining Plan approval date 12-10-1999 with five year period

1/8263/2023	approval letter, if any.	
26	Date of Approval of Scheme of Mining/ Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Review of Mining Plan approval date 16-08-2017 with five year period Review of Mining Plan approval date 07-03-2022 with five year period
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Others
30	Captive/Non Captive	Non Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. -

#### Exploration

S.No.	Item	Proposals(2021-22)	Actual work	Remarks
1a	Backlog of previous year	No proposal	No Exploration Carried out during the year	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	As Reported Area Explored fully in G1 Stage	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	As Reported No expenditure incurred in Exploration	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	As Reported Area Explored fully in G1 Stage	
1e	Balance reserves as on 01.04.2022 (in tonnes)	111 - 330481 122 - 71108	111 - 521510 122 - 71108	Less production
1f	General remarks of inspecting officer on geology, exploration etc.	As reported area has been explored in G1 Category. Bauxite of Cement Grade is present within the lease area.		

#### 2.0 Development

S.No.	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Fresh area to be opened and Pit 1 & 2	Pit 2 has been mined out	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No topsoil available in remarkable thickness	As reported No topsoil available in remarkable thickness	
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0	
2d	Quantity of topsoil generation in m3	No proposal	As Reported No Top Soil Generated	
2e	Quantity of overburden generation in m3	No proposal	As Reported No OB Generated	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of PIT as per proposal is lagging. As per proposal only one pit has been developed.		

#### 3.0 Exploitation

S.No.	Item	Proposals (2021-22)	Actual work	Remarks
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1/8263/2023	3a	Number of pits proposed for production	Two Pits and one fresh area		One Pit		
	3b	Quantity of ROM mineral production proposed (in tonnes)	50009		50000		
	3c	Recovery of saleable / usable mineral from ROM production	100% ROM is usable		As reported 100% ROM is used.		
	3d	Quantity of mineral reject generation	No proposal		As Reported No mineral reject generated.		
	3e	Grade of mineral reject generation and threshold value declared	No proposal for Grade of Mineral Reject		As Reported No mineral reject generated.		
	3f	Quantity of sub-grade mineral generation	No proposal		As Reported No Sub-Grade mineral generated		
	3g	Grade of sub-grade mineral generation	No proposal		As Reported No Sub-Grade mineral generated		
	3h	Manual / Mechanised method adopted for segregating from ROM	No proposal		As Reported No method adopted for segregating from ROM		
	3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	No proposal		As Reported No analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.		
	3j	Provision of drilling & blasting in mineral benches	No proposal as the proposal of use of rock breaker was there		Rock Breaker was used		
	3k	Provision of mining machineries in mineral benches	Rock breaker		Rock breaker		
	3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB - not available Mineral - 3.0m		OB - not available Mineral - 3.0m		
	3m	Total area covered under excavation/pits	2.50		2.26		
	3n	Ore to OB ratio for the pit/mine during the year	1 : 0		NILL		
	3o	Total area put in use under different heads at the end of year	0.79		0.89		
	3p	Production of ROM mineral during last five-year period, as applicable  (in million tonnes)	2017-18	41006	2017-18	NILL	
2018-19			50002	2018-19	NILL		
2019-20			50002	2019-20	47000		
2020-21			50009	2020-21	48400		
2021-22			50009	2021-22	50000		
	3q	General remarks of inspecting officer on method of mining etc.	Method of Mining as proposed has been practiced.				

#### 4.0 Solid Waste Management-Dumping

S.No.	Item	Proposals ( 2021-22)	Actual work	Remarks
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1/8263/2023	4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	As Reported no Work carried out	
	4b	Location of topsoil, OB & mineral reject dumps	No proposal	As Reported no Work carried out	
	4c	Number of dumps within lease area and outside lease area	No proposal	As Reported no Work carried out	
	4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	As Reported no Work carried out	
	4e	Number of active & alive dumps	No proposal	As Reported no Work carried out	
	4f	Number of dead dumps	No proposal	As Reported no Work carried out	
	4g	Number of dumps stabilized	No proposal	As Reported no Work carried out	
	4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	As Reported no Work carried out	
	4i	Length of Retaining wall or garland drain all along dump	No proposal	As Reported no Work carried out	
	4j	Number of settling ponds	No proposal	As Reported no Work carried out	
	4k	Specific comments of inspecting officer	As reported no waste Generated.		

#### **5.0 Solid Waste Management-Backfilling**

S.No.	Item	Proposals ( 2021-22)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	As Reported no Work carried out	
5b	Area under backfilling of mined out area	No proposal	As Reported no Work carried out	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Backfilling	As Reported no Work carried out	
5d	Total area fully reclaimed & rehabilitated	No proposal	As Reported no Work carried out	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Back filling has been carried out.		

#### **6.0 Progressive Mine Closure Plan**

S.No.	Item	Proposals ( 2021-	Actual work	Remarks
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1/8263/2023		22)		
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in item No. 8.3 of PMCP (approved on last occasion,	To be Reported as per Rule	submitted	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	No Proposals  0.07 70  No Proposals No Proposals  10000/-	Not Applicable  0.07 100  Not Applicable Not Applicable  30000/-	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	No proposal	As Reported no Work carried out	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) 0.07ha ii) no proposal iii) no proposal	i) 0.07ha ii) Not applicable iii) Not applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	As reported PMCP Compliance has been carried out as per proposal.		

**7.0 Mineral Conservation**

S.No	Item	Proposals ( 2021-22)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area (in tonnes)	ROM Mineral Dispatch	ROM Mineral Dispatch (Cement Grade)	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Cement Grade	Cement Grade	
7d	Any beneficiation process at mines	No proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	As reported no Mineral conservation & beneficiation issues.		

**8.0 Environment**

S.No.	Item	Proposals	Actual work	Remarks
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1/8263/2023		( 2021-22)		
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	As Reported no Work carried out	
8b	Concurrent use or storage of topsoil	No proposal (although soil encountered if any was proposed to be utilized for plantation purpose)	As Reported no Work carried out	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	As Reported no Work carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	As Reported no Work carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc).	No proposal	As Reported no Work carried out	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	NA	As Reported no Work carried out	
8g	Survival rate	Assumed 60%	60%	
8h	Water sprinkling on roads to control airborne dust	Proposed	As per proposal by water tankers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are			

#### 9.0 Compliance of Rule 45

S.No.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to Dec-2022 A.R. submitted up to 2021-2022		
S.No.	Item	Details GIVEN in A.R	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Rakesh Dodiya Geologist -Ami Jani	Mining Engineer - Rakesh Dodiya Geologist -Ami Jani	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (Ha)	Covered under current (O/C) Workings - 2.260 Mineral Stack -0.430	Covered under current (O/C) Workings - 2.260 Mineral Stack -0.430	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year - 100 Survival rate - 60%	Number of trees planted during the year - 100 Survival rate - 60%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	Rom Stock - 0 Graded Ore (Opening Stock) Cement Grade - 49116.515 Closing Stock - 98913.375	Rom Stock - 0 Graded Ore (Opening Stock) Cement Grade - 49116.515	

I/8263/2023			Closing Stock - 98913.375	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price - Rs. 672.62 / Tons	Ex Mine Price - Rs. 672.62 / Tons	
9i	Scrutiny of Annual return on fixed assets	NILL	NIL	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) Dumper Water Tanker	SHOVEL (HYDRAULIC) Dumper Water Tanker	

**10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - No significant Violations Observed.**

**Naman Ekka**  
**Senior Mining Geologist**

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